

Claims

- [c1] In a computer system, a method for managing projects comprising:
- copying a first project data file from a first work site to a second project data file at a second work site;
 - performing at least one operation at said second work site on said second project data file;
 - copying said at least one operation between said second work site and said first work site;
 - applying said at least one operation performed at said second work site to said first project data file at said first work site; and,
 - producing a finished work product at said first work site without copying said second data file to said first work site.
- [c2] The method of claim 1 further comprising:
- providing feedback to a second worker at said second work site from a first worker at said first work site.
- [c3] The method of claim 2 wherein said providing feedback is accomplished in real-time.
- [c4] The method of claim 2 wherein said providing feedback

is accomplished in non-real time.

- [c5] The method of claim 1 further comprising:
copying said at least one operation between said second work site and a third work site for redundant configuration management.
- [c6] The method of claim 1 wherein said copying said at least one operation is accomplished in real time.
- [c7] The method of claim 1 wherein said copying said at least one operation is accomplished in batch mode.
- [c8] The method of claim 1 wherein said applying said at least one operation relies on a stamp associated with said at least one operation.
- [c9] The method of claim 8 wherein said applying said at least one operation further comprises applying a first operation having a first stamp from said first work site and a second operation having a second stamp from said second work site to said first project data file at said first work site in an order based on said first stamp and said second stamp.
- [c10] The method of claim 9 further comprising:
detecting a collision resulting from the application of said first operation and said second operation to a first

portion of said first project data file.

- [c11] The method of claim 1 further comprising:
generating metrics based on said at least one operation itself.
- [c12] The method of claim 1 further comprising:
generating metrics based on an intermediate work piece produced by applying said at least one operation to said first project data file.
- [c13] The method of claim 1 further wherein said copying said first data project file further comprises physically transferring said first data project file to said second work site and wherein said copying said at least one operation further comprises electronic transfer.
- [c14] In a computer system, a method for performing distributed computer projects using labor outsourcing comprising:
copying a first project data file from a first work site to a second project data file at a second work site;
copying said first project data file from said first work site to a third project data file at a third work site;
performing a third at least one operation at said third work site on said third project data file;
copying said third at least one operation from said third

work site to said second work site;
performing said third at least one operation at said second work site on said second project data file;
performing a second at least one operation at said second work site on said second project data file;
copying said third at least one operation and said second at least one operation from said second work site to said first work site;
applying said at third least one operation performed at said third work site and said second at least one operation performed at said second work site to said first project data file at said first work site; and,
producing a finished work product at said first work site without copying said third data project file or said second data project file to said first work site.

- [c15] The method of claim 14 further comprising:
generating metrics based on said second at least one operation itself.
- [c16] The method of claim 14 further comprising:
generating metrics based on an intermediate work piece produced by applying said at second least one operation to said first project data file.
- [c17] The method of claim 14 further comprising:
generating metrics based on said third at least one oper-

ation itself.

- [c18] The method of claim 14 further comprising:
generating metrics based on an intermediate work piece produced by applying said at third least one operation to said first project data file.
- [c19] The method of claim 1 further comprising:
playing back said at least one operation performed at said second work site at said first work site.
- [c20] The method of claim 19 wherein said playing back said at least one operation occurs at a rate different from the rate observed in a plurality of stamps in said at least one operation.
- [c21] A system for performing distributed computer projects using labor outsourcing comprising:
means for copying a first project data file from a first work site to a second project data file at a second work site;
means for performing at least one operation at said second work site on said second project data file;
means for copying said at least one operation between said second work site and said first work site;
means for applying said at least one operation performed at said second work site to said first project data

file at said first work site; and,
means for producing a finished work product at said first work site without means for copying said second data file to said first work site.

- [c22] The system of claim 21 further comprising:
means for providing feedback to a second worker at said second work site from a first worker at said first work site.
- [c23] The system of claim 22 wherein said means for providing feedback comprises a real-time communications link.
- [c24] The system of claim 22 wherein said means for providing feedback comprises a non-real-time communications link.
- [c25] The system of claim 21 further comprising:
means for copying said at least one operation between said second work site and a third work site for redundant configuration management.
- [c26] The system of claim 21 wherein said means for copying said at least one operation comprises a real-time communications link.
- [c27] The system of claim 21 wherein said means for copying said at least one operation comprises a non-real-time

communications link.

- [c28] The system of claim 21 wherein said means for applying said at least one operation comprises a stamp associated with said at least one operation.
- [c29] The system of claim 28 wherein said means for applying said at least one operation further comprises a first operation having a first stamp from said first work site and a second operation having a second stamp from said second work site and means for applying said first operation and said second operation to said first project data file at said first work site in an order based on said first stamp and said second stamp.
- [c30] The system of claim 29 further comprising:
means for detecting a collision resulting from the application of said first operation and said second operation to a first portion of said first project data file.
- [c31] The system of claim 21 further comprising:
means for generating metrics based on said at least one operation itself.
- [c32] The system of claim 21 further comprising:
means for generating metrics based on an intermediate work piece produced by applying said at least one operation to said first project data file.

[c33] The system of claim 21 further wherein said means for copying said first data project file further comprises physical transfer of said first data project file to said second work site and wherein said means for copying said at least one operation further comprises electronic transfer.

[c34] A system for performing distributed computer projects using labor outsourcing comprising:
means for copying a first project data file from a first work site to a second project data file at a second work site;
means for copying said first project data file from said first work site to a third project data file at a third work site;
means for performing a third at least one operation at said third work site on said third project data file;
means for copying said third at least one operation from said third work site to said second work site;
means for performing said third at least one operation at said second work site on said second project data file;
means for performing a second at least one operation at said second work site on said second project data file;
means for copying said third at least one operation and said second at least one operation from said second work site to said first work site;

means for applying said at third least one operation performed at said third work site and said second at least one operation performed at said second work site to said first project data file at said first work site; and,
means for producing a finished work product at said first work site without copying said third data project file or said second data project file to said first work site.

- [c35] The system of claim 34 further comprising:
means for generating metrics based on said second at least one operation itself.
- [c36] The system of claim 34 further comprising:
means for generating metrics based on an intermediate work piece produced by applying said at second least one operation to said first project data file.
- [c37] The system of claim 34 further comprising:
means for generating metrics based on said third at least one operation itself.
- [c38] The system of claim 34 further comprising:
means for generating metrics based on an intermediate work piece produced by applying said at third least one operation to said first project data file.